

# DANGEROUS GOODS SHIPMENT REGULATIONS

## INFORMATION SHEET

### Purpose and Scope

The purpose of this information sheet is to provide basic information on Dangerous Goods Regulations (DGR). This information applies to research sites conducting DMID-funded clinical research, site authorities and applicable personnel responsible for packing and preparing dangerous goods for transport/shipment.

### Background and Definitions

The Department of Transportation (DOT) lists and classifies those materials which are designated as hazardous materials for purposes of transportation, and prescribes the requirements for shipping papers, package marking, labeling, and transport vehicle notices applicable to the shipment and transportation of those materials.

Shipments of infectious substances (biological specimens with or without dry ice) must be prepared by following all federal and local transportation regulations/requirements for dangerous goods. All clinical site personnel responsible for preparing (classifying, describing, packaging, marking, labeling) and declaring those dangerous goods are in proper condition for transport/shipment, must complete proper training and are currently certified to perform these functions.

The International Air Transport Association (IATA) works closely with government organizations such as the International Civil Aviation Organization (ICAO), DOT, and other national authorities to establish rules and regulations governing the transport of dangerous goods.

### Training Components

IATA requires employers to provide or verify training for applicable personnel. Those training programs must be approved by the appropriate national or state authority and cover, at a minimum;

- familiarizing the shipper with the general provisions of IATA and federal regulations
- packing requirements, classification, labeling, shipper's declaration and relevant documentation
- hazards presented by dangerous goods, safe handling, and emergency response procedures:
  - restrictions and limitations
  - list of dangerous goods
  - emergency procedures

### Training documentation and renewal

- IATA requires initial training, and recurrent training every 2 years (<https://www.iata.org/whatwedo/cargo/dgr/Documents/DGR-Training-Requirements-15.pdf>)
- Certification of training certification must be on file and readily available

### Resource Materials

Source	Website
IATA	<a href="http://www.iata.org">http://www.iata.org</a>
SAFTPAK	<a href="http://www.saftpak.com/Training/training.aspx">http://www.saftpak.com/Training/training.aspx</a>
ICAO	<a href="http://www.icao.int/safety/DangerousGoods/Pages/background.aspx">http://www.icao.int/safety/DangerousGoods/Pages/background.aspx</a>
World Health Organization	<a href="http://www.who.int/csr/emc97_3.pdf">http://www.who.int/csr/emc97_3.pdf</a> (Local Surface Transport)
Hazard Materials Regulations	Title 49, Subchapter C, Part 171 - 173: <a href="http://www.ecfr.gov/cgi-bin/text-idix?tpl=/ecfrbrowse/Title49/49cfr172_main_02.tpl">http://www.ecfr.gov/cgi-bin/text-idix?tpl=/ecfrbrowse/Title49/49cfr172_main_02.tpl</a>
Federal Express Shipping of Dangerous Goods and Hazardous Materials	<a href="http://www.fedex.com/us/service-guide/ship-dg-hazmat/dangerous-goods/index.html?ggroup=toggle-c1&amp;qid=Dangerous_Goods_Seminars">http://www.fedex.com/us/service-guide/ship-dg-hazmat/dangerous-goods/index.html?ggroup=toggle-c1&amp;qid=Dangerous_Goods_Seminars</a>